



*Jfn*

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/501,276
Filing Date	July 9, 2004
First Named Inventor	Johannes F. de Boer
Art Unit	2857
Examiner Name	To be determined
Attorney Docket Number	036115/US/2 - 475387-00016

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD  <input type="checkbox"/> Remarks	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO-1449 form with 462 references and Return Receipt Postcard
---	--	--

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Dorsey & Whitney, L.L.P.		
Signature			
Printed name	Gary Abelev, Esq.		
Date	January 13, 2006	Reg. No.	Reg No. 40,479

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Gary Abelev, Esq.	Date	January 13, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



036115/US/2 – 475387-00016  
PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s) : Johannes F. de Boer et al.  
Serial No. : 10/501,276  
Filed : July 9, 2004  
Entitled : APPARATUS AND METHOD FOR RANGING AND NOISE  
REDUCTION OF LOW COHERENCE INTERFEROMETRY  
LCI AND OPTICAL COHERENCE TOMOGRAPHY OCT  
SIGNALS BY PARALLEL DETECTION OF SPECTRAL  
BANDS  
Group Art Unit : 2857  
Examiner : To be assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

I hereby certify that this document is being sent via First Class U. S.  
mail addressed to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, Virginia 22313-1450 on this day of January 13, 2006.

(Signature)

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO 1449, and respectfully request that the listed documents be considered by the Examiner and made of record in the above-captioned application. Copies of the United States patent references listed on the Form PTO-1449 are not enclosed, but the articles are enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute “prior art.” If the Examiner applies the documents as prior art against any claim in the

application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

This submission is being filed before any action by the U.S. Patent and Trademark Office on the merits. Therefore, applicants do not believe that any fee is due in connection with the submission of this paper. However, if any fee is due, or if any overpayment has been made, the Commissioner is authorized to charge any such fee or credit any overpayment, to our Deposit Account No. 50-2054.

Respectfully submitted,

**DORSEY & WHITNEY, LLP**



Gary Abelev  
PTO Reg. No. 40,479  
Attorneys for Applicants  
(212) 415-9371

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857



**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	4 9 2 8 0 0 5	May 22, 1990	Lefèvre et al.			
	5 2 0 2 7 4 5	April 13, 1993	Sorin et al.			
	5 5 6 5 9 8 6	October 15, 1996	Knüttel			
	5 8 4 7 8 2 7	December 8, 1998	Fercher			
	5 8 7 7 8 5 6	March 2, 1999	Fercher			
	5 9 2 0 3 7 3	July 6, 1999	Bille			
	5 9 9 1 6 9 7	November 23, 1999	Nelson et al.			
	6 2 0 8 4 1 5	March 27, 2001	De Boer et al.			
	6 5 4 9 8 0 1	April 15, 2003	Chen et al.			
2002	0 1 9 6 4 4 6	December 26, 2002	Roth et al.			
2002	0 1 9 8 4 5 7	December 26, 2002	Tearney et al.			

**FOREIGN PATENT DOCUMENT**

Document No.	Date	Country	Class	SubClass	Translator Yes No

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

	Acioli, L. H., M. Ulman, et al. (1991). "Femtosecond Temporal Encoding in Barium-Titanate." <u>Optics Letters</u> 16(24): 1984-1986.
	Aigouy, L., A. Lahrech, et al. (1999). "Polarization effects in apertureless scanning near-field optical microscopy: an experimental study." <u>Optics Letters</u> 24(4): 187-189.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Akiba, M., K. P. Chan, et al. (2003). "Full-field optical coherence tomography by two-dimensional heterodyne detection with a pair of CCD cameras." <u>Optics Letters</u> 28(10): 816-818.
		Akkin, T., D. P. Dave, et al. (2004). "Detection of neural activity using phase-sensitive optical low-coherence reflectometry." <u>Optics Express</u> 12(11): 2377-2386.
		Akkin, T., D. P. Dave, et al. (2003). "Surface analysis using phase sensitive optical low coherence reflectometry." <u>Lasers in Surgery and Medicine</u> : 4-4.
		Akkin, T., D. P. Dave, et al. (2003). "Imaging tissue response to electrical and photothermal stimulation with nanometer sensitivity." <u>Lasers in Surgery and Medicine</u> 33(4): 219-225.
		Akkin, T., T. E. Milner, et al. (2002). "Phase-sensitive measurement of birefringence change as an indication of neural functionality and diseases." <u>Lasers in Surgery and Medicine</u> : 6-6.
		Andretzky, P., Lindner, M.W., Herrmann, J.M., Schultz, A., Konzog, M., Kiesewetter, F., Haeusler, G. (1999). "Optical coherence tomography by 'spectral radar': Dynamic range estimation and in vivo measurements of skin." <u>Proceedings of SPIE - The International Society for Optical Engineering</u> 3567: Pages 78-87.
		Antcliff, R. J., T. J. ffytche, et al. (2000). "Optical coherence tomography of melanocytoma." <u>American Journal of Ophthalmology</u> 130(6): 845-7.
		Antcliff, R. J., M. R. Stanford, et al. (2000). "Comparison between optical coherence tomography and fundus fluorescein angiography for the detection of cystoid macular edema in patients with uveitis." <u>Ophthalmology</u> 107(3): 593-9.
		Anvari, B., T. E. Milner, et al. (1995). "Selective Cooling of Biological Tissues - Application for Thermally Mediated Therapeutic Procedures." <u>Physics in Medicine and Biology</u> 40(2): 241-252.
		Anvari, B., B. S. Tanenbaum, et al. (1995). "A Theoretical-Study of the Thermal Response of Skin to Cryogen Spray Cooling and Pulsed-Laser Irradiation - Implications for Treatment of Port-Wine Stain Birthmarks." <u>Physics in Medicine and Biology</u> 40(9): 1451-1465
		Arend, O., M. Ruffer, et al. (2000). "Macular circulation in patients with diabetes mellitus with and without arterial hypertension." <u>British Journal of Ophthalmology</u> 84(12): 1392-1396

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Arimoto, H. and Y. Ohtsuka (1997). "Measurements of the complex degree of spectral coherence by use of a wave-front-folded interferometer." <u>Optics Letters</u> 22(13): 958-960
		Azzolini, C., F. Patelli, et al. (2001). "Correlation between optical coherence tomography data and biomicroscopic interpretation of idiopathic macular hole." <u>American Journal of Ophthalmology</u> 132(3): 348-55
		Baba, T., K. Ohno-Matsui, et al. (2002). "Optical coherence tomography of choroidal neovascularization in high myopia." <u>Acta Ophthalmologica Scandinavica</u> 80(1): 82-7.
		Bail, M. A. H., Gerd; Herrmann, Juergen M.; Lindner, Michael W.; Ringler, R. (1996). "Optical coherence tomography with the "spectral radar": fast optical analysis in volume scatterers by short-coherence interferometry." <u>Proc. SPIE</u> , 2925: p. 298-303.
		Baney, D. M. and W. V. Sorin (1993). "Extended-Range Optical Low-Coherence Reflectometry Using a Recirculating Delay Technique." <u>Ieee Photonics Technology Letters</u> 5(9): 1109-1112.
		Baney, D. M., B. Szafraniec, et al. (2002). "Coherent optical spectrum analyzer." <u>Ieee Photonics Technology Letters</u> 14(3): 355-357.
		Barakat, R. (1981). "Bilinear Constraints between Elements of the 4by4 Mueller-Jones Transfer-Matrix of Polarization Theory." <u>Optics Communications</u> 38(3): 159-161.
		Barakat, R. (1993). "Analytic Proofs of the Arago-Fresnel Laws for the Interference of Polarized-Light." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 10(1): 180-185.
		Barbastathis, G. and D. J. Brady (1999). "Multidimensional tomographic imaging using volume holography." <u>Proceedings of the Ieee</u> 87(12): 2098-2120
		Bardal, S., A. Kamal, et al. (1992). "Photoinduced Birefringence in Optical Fibers - a Comparative-Study of Low-Birefringence and High-Birefringence Fibers." <u>Optics Letters</u> 17(6): 411-413.
		Barsky, S. H., S. Rosen, et al. (1980). "Nature and Evolution of Port Wine Stains - Computer-Assisted Study." <u>Journal of Investigative Dermatology</u> 74(3): 154-157.
		Barton, J. K., J. A. Izatt, et al. (1999). "Three-dimensional reconstruction of blood vessels from in vivo color Doppler optical coherence tomography images." <u>Dermatology</u> 198(4): 355-361.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office</b>	<b>Atty. Docket No.</b> 036115/US/2 – 475387- 00016	<b>Serial No.</b> 10/501,276
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)	<b>Applicant(s)</b> Johannes F. de Boer	
	<b>Filing Date</b> July 9, 2004	<b>Group</b> 2857

		Barton, J. K., A. Rollins, et al. (2001). "Photothermal coagulation of blood vessels: a comparison of high-speed optical coherence tomography and numerical modelling." <u>Physics in Medicine and Biology</u> 46.
		Barton, J. K., A. J. Welch, et al. (1998). "Investigating pulsed dye laser-blood vessel interaction with color Doppler optical coherence tomography." <u>Optics Express</u> 3.
		Bashkansky, M., M. D. Duncan, et al. (1997). "Subsurface defect detection in ceramics by high-speed high-resolution optical coherent tomography." <u>Optics Letters</u> 22 (1): 61-63.
		Bashkansky, M. and J. Reintjes (2000). "Statistics and reduction of speckle in optical coherence tomography." <u>Optics Letters</u> 25(8): 545-547.
		Baumgartner, A., S. Dichtl, et al. (2000). "Polarization-sensitive optical coherence tomography of dental structures." <u>Caries Research</u> 34(1): 59-69.
		Baumgartner, A., C. K. Hitzenberger, et al. (2000). "Resolution-improved dual-beam and standard optical coherence tomography: a comparison." <u>Graefes Archive for Clinical and Experimental Ophthalmology</u> 238(5): 385-392.
		Baumgartner, A., C. K. Hitzenberger, et al. (1998). "Signal and resolution enhancements in dual beam optical coherence tomography of the human eye." <u>Journal of Biomedical Optics</u> 3(1): 45-54.
		Beaurepaire, E., P. Gleyzes, et al. (1998). <u>Optical coherence microscopy for the in-depth study of biological structures: System based on a parallel detection scheme</u> , Proceedings of SPIE - The International Society for Optical Engineering.
		Beaurepaire, E., L. Moreaux, et al. (1999). "Combined scanning optical coherence and two-photon-excited fluorescence microscopy." <u>Optics Letters</u> 24(14): 969-971.
		Bechara, F. G., T. Gambichler, et al. (2004). "Histomorphologic correlation with routine histology and optical coherence tomography." <u>Skin Research and Technology</u> 10 (3): 169-173.
		Bechmann, M., M. J. Thiel, et al. (2000). "Central corneal thickness determined with optical coherence tomography in various types of glaucoma. [see comments]." <u>British Journal of Ophthalmology</u> 84(11): 1233-7.
		Bek, T. and M. Kandi (2000). "Quantitative anomaloscopy and optical coherence tomography scanning in central serous chorioretinopathy." <u>Acta Ophthalmologica Scandinavica</u> 78(6): 632-7.
		Benoit, A. M., K. Naoun, et al. (2001). "Linear dichroism of the retinal nerve fiber layer expressed with Mueller matrices." <u>Applied Optics</u> 40(4): 565-569

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office</b>	<b>Atty. Docket No.</b> 036115/US/2 – 475387-00016	<b>Serial No.</b> 10/501,276
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</b>	<b>Applicant(s)</b> Johannes F. de Boer	
	<b>Filing Date</b> July 9, 2004	<b>Group</b> 2857

		Bicout, D., C. Brosseau, et al. (1994). "Depolarization of Multiply Scattered Waves by Spherical Diffusers - Influence of the Size Parameter." <u>Physical Review E</u> 49(2): 1767-1770.
		Blanchot, L., M. Lebec, et al. (1997). <u>Low-coherence in depth microscopy for biological tissues imaging: Design of a real time control system</u> . Proceedings of SPIE - The International Society for Optical Engineering.
		Blumenthal, E. Z. and R. N. Weinreb (2001). "Assessment of the retinal nerve fiber layer in clinical trials of glaucoma neuroprotection. [Review] [36 refs]." <u>Survey of Ophthalmology</u> 45(Suppl 3): S305-12; discussion S332-4.
		Blumenthal, E. Z., J. M. Williams, et al. (2000). "Reproducibility of nerve fiber layer thickness measurements by use of optical coherence tomography." <u>Ophthalmology</u> 107(12): 2278-82.
		Boppart, S. A., B. E. Bouma, et al. (1996). "Imaging developing neural morphology using optical coherence tomography." <u>Journal of Neuroscience Methods</u> 70.
		Boppart, S. A., B. E. Bouma, et al. (1997). "Forward-imaging instruments for optical coherence tomography." <u>Optics Letters</u> 22.
		Boppart, S. A., B. E. Bouma, et al. (1998). "Intraoperative assessment of microsurgery with three-dimensional optical coherence tomography." <u>Radiology</u> 208: 81-86.
		Boppart, S. A., J. Herrmann, et al. (1999). "High-resolution optical coherence tomography-guided laser ablation of surgical tissue." <u>Journal of Surgical Research</u> 82(2): 275-84.
		Bouma, B. E. and J. G. Fujimoto (1996). "Compact Kerr-lens mode-locked resonators." <u>Optics Letters</u> 21.
		Bouma, B. E., L. E. Nelson, et al. (1998). "Optical coherence tomographic imaging of human tissue at 1.55 $\mu\text{m}$ and 1.81 $\mu\text{m}$ using Er and Tm-doped fiber sources." <u>Journal of Biomedical Optics</u> 3.
		Bouma, B. E., M. Ramaswamy-Paye, et al. (1997). "Compact resonator designs for mode-locked solid-state lasers." <u>Applied Physics B (Lasers and Optics)</u> B65.
		Bouma, B. E. and G. J. Tearney (2002). "Clinical imaging with optical coherence tomography." <u>Academic Radiology</u> 9(8): 942-953.
		Bouma, B. E., G. J. Tearney, et al. (1996). "Self-phase-modulated Kerr-lens mode-locked Cr:forsterite laser source for optical coherence tomography." <u>Optics Letters</u> 21(22): 1839.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Bouma, B. E., G. J. Tearney, et al. (2000). "High-resolution imaging of the human esophagus and stomach in vivo using optical coherence tomography." <u>Gastrointestinal Endoscopy</u> 51(4): 467-474.
		Bouma, B. E., G. J. Tearney, et al. (2003). "Evaluation of intracoronary stenting by intravascular optical coherence tomography." <u>Heart</u> 89(3): 317-320.
		Bourquin, S., V. Monterosso, et al. (2000). "Video-rate optical low-coherence reflectometry based on a linear smart detector array." <u>Optics Letters</u> 25(2): 102-104.
		Bourquin, S., P. Seitz, et al. (2001). "Optical coherence topography based on a two-dimensional smart detector array." <u>Optics Letters</u> 26(8): 512-514.
		Bouzid, A., M. A. G. Abushagur, et al. (1995). "Fiber-optic four-detector polarimeter." <u>Optics Communications</u> 118(3-4): 329-334.
		Bowd, C., R. N. Weinreb, et al. (2000). "The retinal nerve fiber layer thickness in ocular hypertensive, normal, and glaucomatous eyes with optical coherence tomography." <u>Archives of Ophthalmology</u> 118(1): 22-6.
		Bowd, C., L. M. Zangwill, et al. (2001). "Detecting early glaucoma by assessment of retinal nerve fiber layer thickness and visual function." <u>Investigative Ophthalmology &amp; Visual Science</u> 42(9): 1993-2003.
		Bowd, C., L. M. Zangwill, et al. (2002). "Imaging of the optic disc and retinal nerve fiber layer: the effects of age, optic disc area, refractive error, and gender." <u>Journal of the Optical Society of America, A, Optics, Image Science, &amp; Vision</u> 19(1): 197-207.
		Brand, S., J. M. Poneris, et al. (2000). "Optical coherence tomography in the gastrointestinal tract." <u>Endoscopy</u> 32(10): 796-803.
		Brezinski, M. E. and J. G. Fujimoto (1999). "Optical coherence tomography: high-resolution imaging in nontransparent tissue." <u>IEEE Journal of Selected Topics in Quantum Electronics</u> 5(4): 1185-1192.
		Brezinski, M. E., G. J. Tearney, et al. (1996). "Imaging of coronary artery microstructure (in vitro) with optical coherence tomography." <u>American Journal of Cardiology</u> 77 (1): 92-93.
		Brezinski, M. E., G. J. Tearney, et al. (1996). "Optical coherence tomography for optical biopsy - Properties and demonstration of vascular pathology." <u>Circulation</u> 93(6): 1206-1213.
		Brezinski, M. E., G. J. Tearney, et al. (1997). "Assessing atherosclerotic plaque morphology: Comparison of optical coherence tomography and high frequency intravascular ultrasound." <u>Heart</u> 77(5): 397-403.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Brink, H. B. K. and G. J. Vanbloklend (1988). "Birefringence of the Human Foveal Area Assessed In vivo with Mueller-Matrix Ellipsometry." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 5(1): 49-57.
		Brosseau, C. and D. Bicout (1994). "Entropy Production in Multiple-Scattering of Light by a Spatially Random Medium." <u>Physical Review E</u> 50(6): 4997-5005.
		Burgoyne, C. F., D. E. Mercante, et al. (2002). "Change detection in regional and volumetric disc parameters using longitudinal confocal scanning laser tomography." <u>Ophthalmology</u> 109(3): 455-66.
		Candido, R. and T. J. Allen (2002). "Haemodynamics in microvascular complications in type 1 diabetes." <u>Diabetes-Metabolism Research and Reviews</u> 18(4): 286-304.
		Cense, B., T. C. Chen, et al. (2004). "Thickness and birefringence of healthy retinal nerve fiber layer tissue measured with polarization-sensitive optical coherence tomography." <u>Investigative Ophthalmology &amp; Visual Science</u> 45(8): 2606-2612.
		Cense, B., N. Nassif, et al. (2004). "Ultrahigh-Resolution High-Speed Retinal Imaging Using Spectral-Domain Optical Coherence Tomography." <u>Optics Express</u> 12(11): 2435-2447.
		Chance, B., J. S. Leigh, et al. (1988). "Comparison of Time-Resolved and Time-Unresolved Measurements of Deoxyhemoglobin in Brain." <u>Proceedings of the National Academy of Sciences of the United States of America</u> 85(14): 4971-4975.
		Chang, E. P., D. A. Keedy, et al. (1974). "Ultrastructures of Rabbit Corneal Stroma - Mapping of Optical and Morphological Anisotropies." <u>Biochimica Et Biophysica Acta</u> 343(3): 615-626.
		Chartier, T., A. Hideur, et al. (2001). "Measurement of the elliptical birefringence of single-mode optical fibers." <u>Applied Optics</u> 40(30): 5343-5353.
		Chauhan, B. C., J. W. Blanchard, et al. (2000). "Technique for Detecting Serial Topographic Changes in the Optic Disc and Peripapillary Retina Using Scanning Laser Tomograph." <u>Invest Ophthalmol Vis Sci</u> 41: 775-782.
		Chen, Z. P., T. E. Milner, et al. (1997). "Optical Doppler tomographic imaging of fluid flow velocity in highly scattering media." <u>Optics Letters</u> 22(1): 64-66.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Chen, Z. P., T. E. Milner, et al. (1997). "Noninvasive imaging of in vivo blood flow velocity using optical Doppler tomography." <u>Optics Letters</u> 22(14): 1119-1121.
		Chen, Z. P., Y. H. Zhao, et al. (1999). "Optical Doppler tomography." <u>Ieee Journal of Selected Topics in Quantum Electronics</u> 5(4): 1134-1142.
		Cheong, W. F., S. A. Prahl, et al. (1990). "A Review of the Optical-Properties of Biological Tissues." <u>Ieee Journal of Quantum Electronics</u> 26(12): 2166-2185.
		Chernikov, S. V., Y. Zhu, et al. (1997). "Supercontinuum self-Q-switched ytterbium fiber laser." <u>Optics Letters</u> 22(5): 298-300.
		Cho, S. H., B. E. Bouma, et al. (1999). "Low-repetition-rate high-peak-power Kerr-lens mode-locked Ti:Al/sub 2/0/sub 3/ laser with a multiple-pass cavity." <u>Optics Letters</u> 24(6): 417-419.
		Choma, M. A., M. V. Sarunic, et al. (2003). "Sensitivity advantage of swept source and Fourier domain optical coherence tomography." <u>Optics Express</u> 11(18): 2183-2189.
		Choma, M. A., C. H. Yang, et al. (2003). "Instantaneous quadrature low-coherence interferometry with 3 x 3 fiber-optic couplers." <u>Optics Letters</u> 28(22): 2162-2164.
		Choplin, N. T. and D. C. Lundy (2001). "The sensitivity and specificity of scanning laser polarimetry in the detection of glaucoma in a clinical setting." <u>Ophthalmology</u> 108 (5): 899-904.
		Christens Barry, W. A., W. J. Green, et al. (1996). "Spatial mapping of polarized light transmission in the central rabbit cornea." <u>Experimental Eye Research</u> 62(6): 651-662.
		Chvapil, M., D. P. Speer, et al. (1984). "Identification of the depth of burn injury by collagen stainability." <u>Plastic &amp; Reconstructive Surgery</u> 73(3): 438-41.
		Cioffi, G. A. (2001). "Three common assumptions about ocular blood flow and glaucoma." <u>Survey of Ophthalmology</u> 45: S325-S331.
		Coleman, A. L. (1999). "Glaucoma." <u>Lancet</u> 354(9192): 1803-10.
		Collaborative Normal-Tension Glaucoma Study Group (1998). "Comparison of Glaucomatous Progression Between Untreated Patients With Normal Tension Glaucoma and Patients with Therapeutically Reduced Intraocular Pressures." <u>Am J Ophthalmol</u> 126: 487-97.
		Collaborative Normal-Tension Glaucoma Study Group (1998). "The effectiveness of intraocular pressure reduction in the treatment of normal-tension glaucoma." <u>Am J Ophthalmol</u> 126: 498-505.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Collaborative Normal-Tension Glaucoma Study Group (2001). "Natural History of Normal-Tension Glaucoma." <u>Ophthalmology</u> 108: 247-253.
		Colston, B. W., M. J. Everett, et al. (1998). "Imaging of hard- and soft-tissue structure in the oral cavity by optical coherence tomography." <u>Applied Optics</u> 37(16): 3582-3585.
		Colston, B. W., U. S. Sathyam, et al. (1998). "Dental OCT." <u>Optics Express</u> 3(6): 230-238.
		Congdon, N. G., D. S. Friedman, et al. (2003). "Important causes of visual impairment in the world today." <u>Jama-Journal of the American Medical Association</u> 290(15): 2057-2060.
		Cregan, R. F., B. J. Mangan, et al. (1999). "Single-mode photonic band gap guidance of light in air." <u>Science</u> 285(5433): 1537-1539.
		DalMolin, M., A. Galtarossa, et al. (1997). "Experimental investigation of linear polarization in high-birefringence single-mode fibers." <u>Applied Optics</u> 36(12): 2526-2528.
		Danielson, B. L. and C. D. Whittenberg (1987). "Guided-Wave Reflectometry with Micrometer Resolution." <u>Applied Optics</u> 26(14): 2836-2842.
		Dave, D. P. and T. E. Milner (2000). "Doppler-angle measurement in highly scattering media." <u>Optics Letters</u> 25(20): 1523-1525.
		de Boer, J. F., T. E. Milner, et al. (1998). <u>Two dimensional birefringence imaging in biological tissue using phase and polarization sensitive optical coherence tomography</u> . Trends in Optics and Photonics (TOPS): Advances in Optical Imaging and Photon Migration, Orlando, USA, Optical Society of America, Washington, DC 1998.
		de Boer, J. F., C. E. Saxer, et al. (2001). "Stable carrier generation and phase-resolved digital data processing in optical coherence tomography." <u>Applied Optics</u> 40(31): 5787-5790.
		Degroot, P. and L. Deck (1993). "3-Dimensional Imaging by Sub-Nyquist Sampling of White-Light Interferograms." <u>Optics Letters</u> 18(17): 1462-1464.
		Denk, W., J. H. Strickler, et al. (1990). "2-Photon Laser Scanning Fluorescence Microscopy." <u>Science</u> 248(4951): 73-76.
		Descour, M. R., A. H. O. Karkkainen, et al. (2002). "Toward the development of miniaturized Imaging systems for detection of pre-cancer." <u>Ieee Journal of Quantum Electronics</u> 38(2): 122-130.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Dettwiller, L. (1997). "Polarization state interference: A general investigation." <u>Pure and Applied Optics</u> 6(1): 41-53.
		DiCarlo, C. D., W. P. Roach, et al. (1999). "Comparison of optical coherence tomography imaging of cataracts with histopathology." <u>Journal of Biomedical Optics</u> 4.
		Ding, Z., Y. Zhao, et al. (2002). "Real-time phase-resolved optical coherence tomography and optical Doppler tomography." <u>Optics Express</u> 10(5): 236-245.
		Dobrin, P. B. (1996). "Effect of histologic preparation on the cross-sectional area of arterial rings." <u>Journal of Surgical Research</u> 61(2): 413-5.
		Donohue, D. J., B. J. Stoyanov, et al. (1995). "Numerical Modeling of the Corneas Lamellar Structure and Birefringence Properties." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 12(7): 1425-1438.
		Doornbos, R. M. P., R. Lang, et al. (1999). "The determination of in vivo human tissue optical properties and absolute chromophore concentrations using spatially resolved steady-state diffuse reflectance spectroscopy." <u>Physics in Medicine and Biology</u> 44(4): 967-981.
		Drexler, W., A. Baumgartner, et al. (1997). "Biometric investigation of changes in the anterior eye segment during accommodation." <u>Vision Research</u> 37(19): 2789-2800.
		Drexler, W., A. Baumgartner, et al. (1997). "Submicrometer precision biometry of the anterior segment of the human eye." <u>Investigative Ophthalmology &amp; Visual Science</u> 38(7): 1304-1313.
		Drexler, W., A. Baumgartner, et al. (1998). "Dual beam optical coherence tomography: signal identification for ophthalmologic diagnosis." <u>Journal of Biomedical Optics</u> 3 (1): 55-65.
		Drexler, W., O. Findl, et al. (1998). "Partial coherence interferometry: A novel approach to biometry in cataract surgery." <u>American Journal of Ophthalmology</u> 126(4): 524-534.
		Drexler, W., O. Findl, et al. (1997). "Clinical feasibility of dual beam optical coherence topography and tomography for ophthalmologic diagnosis." <u>Investigative Ophthalmology &amp; Visual Science</u> 38(4): 1038-1038.
		Drexler, W., C. K. Hitzenberger, et al. (1998). "Investigation of dispersion effects in ocular media by multiple wavelength partial coherence interferometry." <u>Experimental Eye Research</u> 66(1): 25-33.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Drexler, W., C. K. Hitzenberger, et al. (1996). "(Sub)micrometer precision biometry of the human eye by optical coherence tomography and topography." <u>Investigative Ophthalmology &amp; Visual Science</u> 37(3): 4374-4374.
		Drexler, W., C. K. Hitzenberger, et al. (1995). "Measurement of the Thickness of Fundus Layers by Partial Coherence Tomography." <u>Optical Engineering</u> 34(3): 701-710.
		Drexler, W., U. Morgner, et al. (2001). "Ultrahigh-resolution ophthalmic optical coherence tomography." <u>Nature Medicine</u> 7(4): 502-507.
		Drexler, W., U. Morgner, et al. (2001). "Ultrahigh-resolution ophthalmic optical coherence tomography. [erratum appears in Nat Med 2001 May;7(5):636.]" <u>Nature Medicine</u> 7(4): 502-7.
		Drexler, W., H. Sattmann, et al. (2003). "Enhanced visualization of macular pathology with the use of ultrahigh-resolution optical coherence tomography." <u>Archives of Ophthalmology</u> 121(5): 695-706.
		Drexler, W., D. Stamper, et al. (2001). "Correlation of collagen organization with polarization sensitive imaging of in vitro cartilage: implications for osteoarthritis." <u>Journal of Rheumatology</u> 28(6): 1311-8.
		Droog, E. J., W. Steenbergen, et al. (2001). "Measurement of depth of burns by laser Doppler perfusion imaging." <u>Burns</u> 27(6): 561-8.
		Dubois, A., K. Grieve, et al. (2004). "Ultrahigh-resolution full-field optical coherence tomography." <u>Applied Optics</u> 43(14): 2874-2883.
		Dubois, A., L. Vabre, et al. (2002). "High-resolution full-field optical coherence tomography with a Linnik microscope." <u>Applied Optics</u> 41(4): 805-812.
		Ducros, M., M. Laubscher, et al. (2002). "Parallel optical coherence tomography in scattering samples using a two-dimensional smart-pixel detector array." <u>Optics Communications</u> 202(1-3): 29-35.
		Ducros, M. G., J. D. Marsack, et al. (2001). "Primate retina imaging with polarization-sensitive optical coherence tomography." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 18(12): 2945-2956.
		Duncan, A., J. H. Meek, et al. (1995). "Optical Pathlength Measurements on Adult Head, Calf and Forearm and the Head of the Newborn-Infant Using Phase-Resolved Optical Spectroscopy." <u>Physics in Medicine and Biology</u> 40(2): 295-304.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Eigensee, A., G. Haeusler, et al. (1996). "New method of short-coherence interferometry in human skin (in vivo) and in solid volume scatterers." <u>Proceedings of SPIE - The International Society for Optical Engineering</u> 2925: 169-178.
		Eisenbeiss, W., J. Marotz, et al. (1999). "Reflection-optical multispectral imaging method for objective determination of burn depth." <u>Burns</u> 25(8): 697-704.
		Elbaum, M., M. King, et al. (1972). "Wavelength-Diversity Technique for Reduction of Speckle Size." <u>Journal of the Optical Society of America</u> 62(5): 732-&.
		Ervin, J. C., H. G. Lemij, et al. (2002). "Clinician change detection viewing longitudinal stereophotographs compared to confocal scanning laser tomography in the LSU Experimental Glaucoma (LEG) Study." <u>Ophthalmology</u> 109(3): 467-81.
		Essenpreis, M., C. E. Elwell, et al. (1993). "Spectral Dependence of Temporal Point Spread Functions in Human Tissues." <u>Applied Optics</u> 32(4): 418-425.
		Eun, H. C. (1995). "Evaluation of skin blood flow by laser Doppler flowmetry. [Review] [151 refs]." <u>Clinics in Dermatology</u> 13(4): 337-47.
		Evans, J. A., J. M. Poneris, et al. (2004). "Application of a histopathologic scoring system to optical coherence tomography (OCT) images to identify high-grade dysplasia in Barrett's esophagus." <u>Gastroenterology</u> 126(4): A51-A51.
		Feldchtein, F. I., G. V. Gelikonov, et al. (1998). "In vivo OCT imaging of hard and soft tissue of the oral cavity." <u>Optics Express</u> 3(6): 239-250.
		Feldchtein, F. I., G. V. Gelikonov, et al. (1998). "Endoscopic applications of optical coherence tomography." <u>Optics Express</u> 3(6): 257-270.
		Fercher, A. F., W. Drexler, et al. (1997). "Optical ocular tomography." <u>Neuro- Ophthalmology</u> 18(2): 39-49.
		Fercher, A. F., W. Drexler, et al. (1994). <u>Measurement of optical distances by optical spectrum modulation</u> . Proceedings of SPIE - The International Society for Optical Engineering.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Fercher, A. F., W. Drexler, et al. (2003). "Optical coherence tomography - principles and applications." <u>Reports on Progress in Physics</u> 66(2): 239-303.
		Fercher, A. F., C. Hitzenberger, et al. (1991). "Measurement of Intraocular Optical Distances Using Partially Coherent Laser-Light." <u>Journal of Modern Optics</u> 38(7): 1327-1333.
		Fercher, A. F., C. K. Hitzenberger, et al. (1996). <u>Ocular partial coherence interferometry</u> . Proceedings of SPIE - The International Society for Optical Engineering.
		Fercher, A. F., C. K. Hitzenberger, et al. (1993). "In-Vivo Optical Coherence Tomography." <u>American Journal of Ophthalmology</u> 116(1): 113-115.
		Fercher, A. F., C. K. Hitzenberger, et al. (1994). <u>In-vivo dual-beam optical coherence tomography</u> . Proceedings of SPIE - The International Society for Optical Engineering.
		Fercher, A. F., C. K. Hitzenberger, et al. (1995). "Measurement of Intraocular Distances by Backscattering Spectral Interferometry." <u>Optics Communications</u> 117(1-2): 43-48.
		Fercher, A. F., C. K. Hitzenberger, et al. (2000). "A thermal light source technique for optical coherence tomography." <u>Optics Communications</u> 185(1-3): 57-64.
		Fercher, A. F., C. K. Hitzenberger, et al. (2001). "Numerical dispersion compensation for Partial Coherence Interferometry and Optical Coherence Tomography." <u>Optics Express</u> 9(12): 610-615.
		Fercher, A. F., C. K. Hitzenberger, et al. (2002). "Dispersion compensation for optical coherence tomography depth- scan signals by a numerical technique." <u>Optics Communications</u> 204(1-6): 67-74.
		Fercher, A. F., H. C. Li, et al. (1993). "Slit Lamp Laser-Doppler Interferometer." <u>Lasers in Surgery and Medicine</u> 13(4): 447-452.
		Fercher, A. F., K. Mengedocht, et al. (1988). "Eye-Length Measurement by Interferometry with Partially Coherent-Light." <u>Optics Letters</u> 13(3): 186-188.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Ferro, P., M. Haelterman, et al. (1991). "All-Optical Polarization Switch with Long Low-Birefringence Fiber." <u>Electronics Letters</u> 27(16): 1407-1408.
		Fetterman, M. R., D. Goswami, et al. (1998). "Ultrafast pulse shaping: amplification and characterization." <u>Optics Express</u> 3(10): 366-375.
		Findl, O., W. Drexler, et al. (2001). "Improved prediction of intraocular lens power using partial coherence interferometry." <u>Journal of Cataract and Refractive Surgery</u> 27 (6): 861-867.
		Fork, R. L., C. H. B. Cruz, et al. (1987). "Compression of Optical Pulses to 6 Femtoseconds by Using Cubic Phase Compensation." <u>Optics Letters</u> 12(7): 483-485.
		Foschini, G. J. and C. D. Poole (1991). "Statistical-Theory of Polarization Dispersion in Single-Mode Fibers." <u>Journal of Lightwave Technology</u> 9(11): 1439-1456.
		Francia, C., F. Bruyere, et al. (1998). "PMD second-order effects on pulse propagation in single-mode optical fibers." <u>Ieee Photonics Technology Letters</u> 10(12): 1739-1741
		Fried, D., R. E. Glens, et al. (1995). "Nature of Light-Scattering in Dental Enamel and Dentin at Visible and near-Infrared Wavelengths." <u>Applied Optics</u> 34(7): 1278-1285.
		Fujimoto, J. G., M. E. Brezinski, et al. (1995). "Optical Biopsy and Imaging Using Optical Coherence Tomography." <u>Nature Medicine</u> 1(9): 970-972.
		Fukasawa, A. and H. Iijima (2002). "Optical coherence tomography of choroidal osteoma." <u>American Journal of Ophthalmology</u> 133(3): 419-21.
		Fymat, A. L. (1981). "High-Resolution Interferometric Spectrophotopolarimetry." <u>Optical Engineering</u> 20(1): 25-30.
		Galtarossa, A., L. Palmieri, et al. (2000). "Statistical characterization of fiber random birefringence." <u>Optics Letters</u> 25(18): 1322-1324.
		Galtarossa, A., L. Palmieri, et al. (2000). "Measurements of beat length and perturbation length in long single-mode fibers." <u>Optics Letters</u> 25(6): 384-386.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Gandjbakhche, A. H., P. Mills, et al. (1994). "Light-Scattering Technique for the Study of Orientation and Deformation of Red-Blood-Cells in a Concentrated Suspension." <u>Applied Optics</u> 33(6): 1070-1078.
		Garcia, N. and M. Nieto-Vesperinas (2002). "Left-handed materials do not make a perfect lens." <u>Physical Review Letters</u> 88(20).
		Gelikonov, V. M., G. V. Gelikonov, et al. (1995). "Coherent Optical Tomography of Microscopic Inhomogeneities in Biological Tissues." <u>Jetp Letters</u> 61(2): 158-162.
		George, N. and A. Jain (1973). "Speckle Reduction Using Multiple Tones of Illumination." <u>Applied Optics</u> 12(6): 1202-1212.
		Gibson, G. N., R. Klank, et al. (1996). "Electro-optically cavity-dumped ultrashort-pulse Ti:sapphire oscillator." <u>Optics Letters</u> 21(14): 1055.
		Gil, J. J. (2000). "Characteristic properties of Mueller matrices." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 17(2): 328-334.
		Gil, J. J. and E. Bernabeu (1987). "Obtainment of the Polarizing and Retardation Parameters of a Nondepolarizing Optical-System from the Polar Decomposition of Its Mueller Matrix." <u>Optik</u> 76(2): 67-71.
		Gladkova, N. D., G. A. Petrova, et al. (2000). "In vivo optical coherence tomography imaging of human skin: norm and pathology." <u>Skin Research and Technology</u> 6 (1): 6-16.
		Glaessl, A., A. G. Schreyer, et al. (2001). "Laser surgical planning with magnetic resonance imaging-based 3-dimensional reconstructions for intralesional Nd : YAG laser therapy of a venous malformation of the neck." <u>Archives of Dermatology</u> 137(10): 1331-1335.
		Gloesmann, M., B. Hermann, et al. (2003). "Histologic correlation of pig retina radial stratification with ultrahigh-resolution optical coherence tomography." <u>Investigative Ophthalmology &amp; Visual Science</u> 44(4): 1696-1703.
		Goldberg, L. and D. Mehuys (1994). "High-Power Superluminescent Diode Source." <u>Electronics Letters</u> 30(20): 1682-1684.
		Goldsmith, J. A., Y. Li, et al. (2005). "Anterior chamber width measurement by high speed optical coherence tomography." <u>Ophthalmology</u> 112(2): 238-244.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Goldstein, L. E., J. A. Muffat, et al. (2003). "Cytosolic beta-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease." <u>Lancet</u> 361(9365): 1258-1265.
		Golubovic, B., B. E. Bouma, et al. (1996). "Thin crystal, room-temperature Cr/sup 4 +/:forstefite laser using near-infrared pumping." <u>Optics Letters</u> 21(24): 1993-1995.
		Gonzalez, S. and Z. Tannous (2002). "Real-time, in vivo confocal reflectance microscopy of basal cell carcinoma." <u>Journal of the American Academy of Dermatology</u> 47(6): 869-874.
		Gordon, M. O. and M. A. Kass (1999). "The Ocular Hypertension Treatment Study: design and baseline description of the participants." <u>Archives of Ophthalmology</u> 117(5): 573-83.
		Grayson, T. P., J. R. Torgerson, et al. (1994). "Observation of a Nonlocal Pancharatnam Phase-Shift in the Process of Induced Coherence without Induced Emission." <u>Physical Review A</u> 49(1): 626-628.
		Greaney, M. J., D. C. Hoffman, et al. (2002). "Comparison of optic nerve imaging methods to distinguish normal eyes from those with glaucoma." <u>Investigative Ophthalmology &amp; Visual Science</u> 43(1): 140-5.
		Greenfield, D. S., H. Bagga, et al. (2003). "Macular thickness changes in glaucomatous optic neuropathy detected using optical coherence tomography." <u>Archives of Ophthalmology</u> 121(1): 41-46.
		Greenfield, D. S., R. W. Knighton, et al. (2000). "Effect of corneal polarization axis on assessment of retinal nerve fiber layer thickness by scanning laser polarimetry." <u>American Journal of Ophthalmology</u> 129(6): 715-722.
		Griffin, R. A., D. D. Sampson, et al. (1995). "Coherence Coding for Photonic Code-Division Multiple-Access Networks." <u>Journal of Lightwave Technology</u> 13(9): 1826-1837.
		Guedes, V., J. S. Schuman, et al. (2003). "Optical coherence tomography measurement of macular and nerve fiber layer thickness in normal and glaucomatous human eyes." <u>Ophthalmology</u> 110(1): 177-189.
		Gueugniaud, P. Y., H. Carsin, et al. (2000). "Current advances in the initial management of major thermal burns. [Review] [76 refs]." <u>Intensive Care Medicine</u> 26(7): 848-56.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Guido, S. and R. T. Tranquillo (1993). "A Methodology for the Systematic and Quantitative Study of Cell Contact Guidance in Oriented Collagen Gels - Correlation of Fibroblast Orientation and Gel Birefringence." <u>Journal of Cell Science</u> 105: 317-331.
		Gurses-Ozden, R., H. Ishikawa, et al. (1999). "Increasing sampling density improves reproducibility of optical coherence tomography measurements." <u>Journal of Glaucoma</u> 8(4): 238-41.
		Guzzi, R. (1998). "Scattering Theory from Homogeneous and Coated Spheres." 1-11.
		Haberland, U. B., Vladimir; Schmitt, Hans J. (1996). "Optical coherent tomography of scattering media using electrically tunable near-infrared semiconductor laser." <u>Applied Optics</u> Draft Copy.
		Haberland, U. R., Walter; Blazek, Vladimir; Schmitt, Hans J. (1995). "Investigation of highly scattering media using near-infrared continuous wave tunable semiconductor laser." <u>Proc. SPIE</u> , 2389: 503-512.
		Hale, G. M. and M. R. Querry (1973). "Optical-Constants of Water in 200-Nm to 200-Mum Wavelength Region." <u>Applied Optics</u> 12(3): 555-563.
		Hammer, D. X., R. D. Ferguson, et al. (2002). "Image stabilization for scanning laser ophthalmoscopy." <u>Optics Express</u> 10(26): 1542.
		Hara, T., Y. Ooi, et al. (1989). "Transfer Characteristics of the Microchannel Spatial Light-Modulator." <u>Applied Optics</u> 28(22): 4781-4786.
		Harland, C. C., S. G. Kale, et al. (2000). "Differentiation of common benign pigmented skin lesions from melanoma by high-resolution ultrasound." <u>British Journal of Dermatology</u> 143(2): 281-289.
		Hartl, I., X. D. Li, et al. (2001). "Ultrahigh-resolution optical coherence tomography using continuum generation in an air-silica microstructure optical fiber." <u>Optics Letters</u> 26(9): 608-610.
		Hassenstein, A., A. A. Bialasiewicz, et al. (2000). "Optical coherence tomography in uveitis patients." <u>American Journal of Ophthalmology</u> 130(5): 669-70.
		Hattenhauer, M. G., D. H. Johnson, et al. (1998). "The probability of blindness from open-angle glaucoma. [see comments]." <u>Ophthalmology</u> 105(11): 2099-104.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Hausler, G., J. M. Hermann, et al. (1996). "Observation of light propagation in volume scatterers with 10(11)-fold slow motion." <u>Optics Letters</u> 21(14): 1087-1089.
		Hazebroek, H. F. and A. A. Holscher (1973). "Interferometric Ellipsometry." <u>Journal of Physics E-Scientific Instruments</u> 6(9): 822-826.
		Hazebroek, H. F. and W. M. Visser (1983). "Automated Laser Interferometric Ellipsometry and Precision Reflectometry." <u>Journal of Physics E-Scientific Instruments</u> 16(7): 654-661.
		He, Z. Y., N. Mukohzaka, et al. (1997). "Selective image extraction by synthesis of the coherence function using two-dimensional optical lock-in amplifier with microchannel spatial light modulator." <u>Ieee Photonics Technology Letters</u> 9(4): 514-516.
		Hee, M. R., J. A. Izatt, et al. (1993). "Femtosecond Transillumination Optical Coherence Tomography." <u>Optics Letters</u> 18(12): 950-952.
		Hee, M. R., J. A. Izatt, et al. (1995). "Optical coherence tomography of the human retina." <u>Archives of Ophthalmology</u> 113(3): 325-32.
		Hee, M. R., C. A. Puliafito, et al. (1998). "Topography of diabetic macular edema with optical coherence tomography." <u>Ophthalmology</u> 105(2): 360-70.
		Hee, M. R., C. A. Puliafito, et al. (1995). "Quantitative assessment of macular edema with optical coherence tomography." <u>Archives of Ophthalmology</u> 113(8): 1019-29.
		Hellmuth, T. and M. Welle (1998). "Simultaneous measurement of dispersion, spectrum, and distance with a fourier transform spectrometer." <u>Journal of Biomedical Optics</u> 3(1): 7-11.
		Hemenger, R. P. (1989). "Birefringence of a medium of tenuous parallel cylinders." <u>APPLIED OPTICS</u> 28(18): 4030-4034.
		Henry, M. (1981). "Fresnel-Arago Laws for Interference in Polarized-Light - Demonstration Experiment." <u>American Journal of Physics</u> 49(7): 690-691.
		Herz, P. R., Y. Chen, et al. (2004). "Micromotor endoscope catheter for in vivo, ultrahigh-resolution optical coherence tomography." <u>Optics Letters</u> 29(19): 2261-2263.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Hirakawa, H., H. Iijima, et al. (1999). "Optical coherence tomography of cystoid macular edema associated with retinitis pigmentosa." <u>American Journal of Ophthalmology</u> 128(2): 185-91.
		Hitzenberger, C. K., A. Baumgartner, et al. (1994). "Interferometric Measurement of Corneal Thickness with Micrometer Precision." <u>American Journal of Ophthalmology</u> 118(4): 468-476.
		Hitzenberger, C. K., A. Baumgartner, et al. (1999). "Dispersion effects in partial coherence interferometry: Implications for intraocular ranging." <u>Journal of Biomedical Optics</u> 4(1): 144-151.
		Hitzenberger, C. K., A. Baumgartner, et al. (1998). "Dispersion induced multiple signal peak splitting in partial coherence interferometry." <u>Optics Communications</u> 154 (4): 179-185.
		Hitzenberger, C. K., M. Danner, et al. (1999). "Measurement of the spatial coherence of superluminescent diodes." <u>Journal of Modern Optics</u> 46(12): 1763-1774.
		Hitzenberger, C. K. and A. F. Fercher (1999). "Differential phase contrast in optical coherence tomography." <u>Optics Letters</u> 24(9): 622-624.
		Hitzenberger, C. K., M. Sticker, et al. (2001). "Differential phase measurements in low-coherence interferometry without 2 pi ambiguity." <u>Optics Letters</u> 26(23): 1864-1866.
		Hoeling, B. M., A. D. Fernandez, et al. (2000). "An optical coherence microscope for 3-dimensional imaging in developmental biology." <u>Optics Express</u> 6(7): 136-146.
		Hoerauf, H., C. Scholz, et al. (2002). "Transscleral optical coherence tomography: a new imaging method for the anterior segment of the eye." <u>Archives of Ophthalmology</u> 120(6): 816-9.
		Hoffmann, K., M. Happe, et al. (1998). "Optical coherence tomography (OCT) in dermatology." <u>Journal of Investigative Dermatology</u> 110(4): 583-583.
		Hoh, S. T., D. S. Greenfield, et al. (2000). "Optical coherence tomography and scanning laser polarimetry in normal, ocular hypertensive, and glaucomatous eyes." <u>American Journal of Ophthalmology</u> 129(2): 129-35.
		Hohenleutner, U., M. Hilbert, et al. (1995). "Epidermal Damage and Limited Coagulation Depth with the Flashlamp-Pumped Pulsed Dye-Laser - a Histochemical-Study." <u>Journal of Investigative Dermatology</u> 104(5): 798-802.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Holland, A. J. A., H. C. O. Martin, et al. (2002). "Laser Doppler imaging prediction of burn wound outcome in children." <u>Burns</u> 28(1): 11-17.
		Hotate, K. and T. Okugawa (1994). "Optical Information-Processing by Synthesis of the Coherence Function." <u>Journal of Lightwave Technology</u> 12(7): 1247-1255.
		Hourdakis, C. J. and A. Perris (1995). "A Monte-Carlo Estimation of Tissue Optical-Properties for Use in Laser Dosimetry." <u>Physics in Medicine and Biology</u> 40(3): 351-364.
		Hu, Z., F. Li, et al. (2000). "Wavelength-tunable narrow-linewidth semiconductor fiber-ring laser." <u>IEEE Photonics Technology Letters</u> 12(8): 977-979.
		Huang, F., W. Yang, et al. (2001). "Quadrature spectral interferometric detection and pulse shaping." <u>Optics Letters</u> 26(6): 382-384.
		Huang, X. R. and R. W. Knighton (2002). "Linear birefringence of the retinal nerve fiber layer measured in vitro with a multispectral imaging micropolarimeter." <u>Journal of Biomedical Optics</u> 7(2): 199-204.
		Huber, R., M. Wojtkowski, et al. (2005). "Amplified, frequency swept lasers for frequency domain reflectometry and OCT imaging: design and scaling principles." <u>Optics Express</u> 13(9): 3513-3528.
		Hunter, D. G., J. C. Sandruck, et al. (1999). "Mathematical modeling of retinal birefringence scanning." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 16(9): 2103-2111.
		Hurwitz, H. H. and R. C. Jones (1941). "A new calculus for the treatment of optical systems II. Proof of three general equivalence theorems." <u>Journal of the Optical Society of America</u> 31(7): 493-499.
		Huttner, B., C. De Barros, et al. (1999). "Polarization-induced pulse spreading in birefringent optical fibers with zero differential group delay." <u>Optics Letters</u> 24(6): 370-372.
		Huttner, B., B. Gisin, et al. (1999). "Distributed PMD measurement with a polarization-OTDR in optical fibers." <u>Journal of Lightwave Technology</u> 17(10): 1843-1848.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Huttner, B., J. Reece, et al. (1998). "Local birefringence measurements in single-mode fibers with coherent optical frequency-domain reflectometry." <u>Ieee Photonics Technology Letters</u> 10(10): 1458-1460.
		Hyde, S. C. W., N. P. Barry, et al. (1995). "Sub-100-Mu-M Depth-Resolved Holographic Imaging through Scattering Media in the near-Infrared." <u>Optics Letters</u> 20(22): 2330-2332.
		Hyde, S. C. W., N. P. Barry, et al. (1995). "Depth-Resolved Holographic Imaging through Scattering Media by Photorefractive." <u>Optics Letters</u> 20(11): 1331-1333.
		Iftimia, N. V., B. E. Bouma, et al. (2004). "Adaptive ranging for optical coherence tomography." <u>Optics Express</u> 12(17): 4025-4034.
		Iida, T., N. Hagimura, et al. (2000). "Evaluation of central serous chorioretinopathy with optical coherence tomography." <u>American Journal of Ophthalmology</u> 129(1): 16-20.
		Imai, M., H. Iijima, et al. (2001). "Optical coherence tomography of tractional macular elevations in eyes with proliferative diabetic retinopathy. [republished in Am J Ophthalmol. 2001 Sep;132(3):458-61 ; 11530091.]." <u>American Journal of Ophthalmology</u> 132(1): 81-4.
		Indebetouw, G. and P. Klysubun (2000). "Imaging through scattering media with depth resolution by use of low-coherence gating in spatiotemporal digital holography." <u>Optics Letters</u> 25(4): 212-214.
		Ip, M. S., B. J. Baker, et al. (2002). "Anatomical outcomes of surgery for idiopathic macular hole as determined by optical coherence tomography." <u>Archives of Ophthalmology</u> 120(1): 29-35.
		Ismail, R., V. Tanner, et al. (2002). "Optical coherence tomography imaging of severe commotio retinae and associated macular hole." <u>British Journal of Ophthalmology</u> 86(4): 473-4.
		Izatt, J. A., M. R. Hee, et al. (1994). "Optical Coherence Microscopy in Scattering Media." <u>Optics Letters</u> 19(8): 590-592.
		Izatt, J. A., M. R. Hee, et al. (1994). "Micrometer-scale resolution imaging of the anterior eye in vivo with optical coherence tomography." <u>Archives of Ophthalmology</u> 112 (12): 1584-9.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Izatt, J. A., M. D. Kulkarni, et al. (1997). "In vivo bidirectional color Doppler flow imaging of picoliter blood volumes using optical coherence tomography." <u>Optics Letters</u> 22(18): 1439-1441.
		Izatt, J. A., M. D. Kulkarni, et al. (1996). "Optical coherence tomography and microscopy in gastrointestinal tissues." <u>IEEE Journal of Selected Topics in Quantum Electronics</u> 2(4): 1017.
		Jacques, S. L., J. S. Nelson, et al. (1993). "Pulsed Photothermal Radiometry of Port-Wine-Stain Lesions." <u>Applied Optics</u> 32(13): 2439-2446.
		Jacques, S. L., J. R. Roman, et al. (2000). "Imaging superficial tissues with polarized light." <u>Lasers in Surgery and Medicine</u> 26(2): 119-129.
		Jang, I. K., B. E. Bouma, et al. (2002). "Visualization of coronary atherosclerotic plaques in patients using optical coherence tomography: Comparison with intravascular ultrasound." <u>Journal of the American College of Cardiology</u> 39(4): 604-609.
		Jang, I. K., B. D. MacNeill, et al. (2002). "In-vivo characterization of coronary plaques in patients with ST elevation acute myocardial infarction using optical coherence tomography (OCT)." <u>Circulation</u> 106(19): 698-698 3440 Suppl. S.
		Jang, I. K., G. J. Tearney, et al. (2000). "Comparison of optical coherence tomography and intravascular ultrasound for detection of coronary plaques with large lipid-core in living patients." <u>Circulation</u> 102(18): 509-509.
		Jeng, J. C., A. Bridgeman, et al. (2003). "Laser Doppler imaging determines need for excision and grafting in advance of clinical judgment: a prospective blinded trial." <u>Burns</u> 29(7): 665-670.
		Jesser, C. A., S. A. Boppart, et al. (1999). "High resolution imaging of transitional cell carcinoma with optical coherence tomography: feasibility for the evaluation of bladder pathology." <u>British Journal of Radiology</u> 72: 1170-1176.
		Johnson, C. A., J. L. Keltner, et al. (2002). "Baseline visual field characteristics in the ocular hypertension treatment study." <u>Ophthalmology</u> 109(3): 432-7.
		Jones, R. C. (1941). "A new calculus for the treatment of optical systems III. The Sohncke theory of optical activity." <u>Journal of the Optical Society of America</u> 31 (7): 500-503.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Jones, R. C. (1941). "A new calculus for the treatment of optical systems I. Description and discussion of the calculus." <u>Journal of the Optical Society of America</u> 31(7): 488-493.
		Jones, R. C. (1942). "A new calculus for the treatment of optical systems. IV." <u>Journal of the Optical Society of America</u> 32(8): 486-493.
		Jones, R. C. (1947). "A New Calculus for the Treatment of Optical Systems .6. Experimental Determination of the Matrix." <u>Journal of the Optical Society of America</u> 37(2): 110-112.
		Jones, R. C. (1947). "A New Calculus for the Treatment of Optical Systems .5. A More General Formulation, and Description of Another Calculus." <u>Journal of the Optical Society of America</u> 37(2): 107-110.
		Jones, R. C. (1948). "A New Calculus for the Treatment of Optical Systems .7. Properties of the N-Matrices." <u>Journal of the Optical Society of America</u> 38(8): 671-685.
		Jones, R. C. (1956). "New Calculus for the Treatment of Optical Systems .8. Electromagnetic Theory." <u>Journal of the Optical Society of America</u> 46(2): 126-131.
		Jopson, R. M., L. E. Nelson, et al. (1999). "Measurement of second-order polarization-mode dispersion vectors in optical fibers." <u>Ieee Photonics Technology Letters</u> 11 (9): 1153-1155.
		Jost, B. M., A. V. Sergienko, et al. (1998). "Spatial correlations of spontaneously down-converted photon pairs detected with a single-photon-sensitive CCD camera." <u>Optics Express</u> 3(2): 81-88.
		Kaplan, B., E. Compain, et al. (2000). "Phase-modulated Mueller ellipsometry characterization of scattering by latex sphere suspensions." <u>Applied Optics</u> 39 (4): 629-636.
		Kass, M. A., D. K. Heuer, et al. (2002). "The Ocular Hypertension Treatment Study: a randomized trial determines that topical ocular hypotensive medication delays or prevents the onset of primary open-angle glaucoma." <u>Archives of Ophthalmology</u> 120(6): 701-13; discussion 829-30.
		Kasuga, Y., J. Arai, et al. (2000). "Optical coherence tomography to confirm early closure of macular holes." <u>American Journal of Ophthalmology</u> 130(5): 675-6.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Kaufman, T., S. N. Lusthaus, et al. (1990). "Deep Partial Skin Thickness Burns – a Reproducible Animal-Model to Study Burn Wound-Healing." <u>Burns</u> 16(1): 13-16.
		Kemp, N. J., J. Park, et al. (2005). "High-sensitivity determination of birefringence in turbid media with enhanced polarization-sensitive optical coherence tomography." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 22(3): 552-560.
		Kerrigan-Baumrind, L. A., H. A. Quigley, et al. (2000). "Number of ganglion cells in glaucoma eyes compared with threshold visual field tests in the same persons." <u>Investigative Ophthalmology &amp; Visual Science</u> 41(3): 741-8.
		Kesen, M. R., G. L. Spaeth, et al. (2002). "The Heidelberg Retina Tomograph vs clinical impression in the diagnosis of glaucoma." <u>American Journal of Ophthalmology</u> 133(5): 613-6.
		Kienle, A. and R. Hibst (1995). "A New Optimal Wavelength for Treatment of Port-Wine Stains." <u>Physics in Medicine and Biology</u> 40(10): 1559-1576.
		Kienle, A., L. Lilge, et al. (1996). "Spatially resolved absolute diffuse reflectance measurements for noninvasive determination of the optical scattering and absorption coefficients of biological tissue." <u>Applied Optics</u> 35(13): 2304-2314.
		Kim, B. Y. and S. S. Choi (1981). "Analysis and Measurement of Birefringence in Single-Mode Fibers Using the Backscattering Method." <u>Optics Letters</u> 6(11): 578-580.
		Kimel, S., L. O. Svaasand, et al. (1994). "Differential Vascular-Response to Laser Photothermolysis." <u>Journal of Investigative Dermatology</u> 103(5): 693-700.
		Kloppenber, F. W. H., G. Beerhuizen, et al. (2001). "Perfusion of burn wounds assessed by Laser Doppler Imaging is related to burn depth and healing time." <u>Burns</u> 27(4): 359-363.
		Knighton, R. W. and X. R. Huang (2002). "Analytical methods for scanning laser polarimetry." <u>Optics Express</u> 10(21): 1179-1189.
		Knighton, R. W., X. R. Huang, et al. (2002). "Analytical model of scanning laser polarimetry for retinal nerve fiber layer assessment." <u>Investigative Ophthalmology &amp; Visual Science</u> 43(2): 383-392.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Knuettel, A. R. S., Joseph M.: Shay, M.; Knutson, Jay R. (1994). "Stationary low-coherence light imaging and spectroscopy using a CCD camera." <u>Proc. SPIE</u> , Vol. 2135: p. 239-250.
		Knuttel, A. and M. Boehlau-Godau (2000). "Spatially confined and temporally resolved refractive index and scattering evaluation in human skin performed with optical coherence tomography." <u>Journal of Biomedical Optics</u> 5(1): 83-92.
		Knuttel, A. and J. M. Schmitt (1993). "Stationary Depth-Profiling Reflectometer Based on Low-Coherence Interferometry." <u>Optics Communications</u> 102(3-4): 193-198.
		Knuttel, A., J. M. Schmitt, et al. (1994). "Low-Coherence Reflectometry for Stationary Lateral and Depth Profiling with Acoustooptic Deflectors and a Ccd Camera." <u>Optics Letters</u> 19(4): 302-304.
		Kobayashi, M., H. Hanafusa, et al. (1991). "Polarization-Independent Interferometric Optical-Time-Domain Reflectometer." <u>Journal of Lightwave Technology</u> 9(5): 623-628.
		Kolios, M. C., M. D. Sherar, et al. (1995). "Large Blood-Vessel Cooling in Heated Tissues - a Numerical Study." <u>Physics in Medicine and Biology</u> 40(4): 477-494.
		Koozekanani, D., K. Boyer, et al. (2001). "Retinal thickness measurements from optical coherence tomography using a Markov boundary model." <u>Ieee Transactions on Medical Imaging</u> 20(9): 900-916.
		Kop, R. H. J. and R. Sprik (1995). "Phase-sensitive interferometry with ultrashort optical pulses." <u>Review of Scientific Instruments</u> 66(12): 5459-5463.
		Kramer, R. Z., J. Bella, et al. (1999). "Sequence dependent conformational variations of collagen triple-helical structure." <u>Nature Structural Biology</u> 6(5): 454-7.
		Kulkarni, M. D., T. G. van Leeuwen, et al. (1998). "Velocity-estimation accuracy and frame-rate limitations in color Doppler optical coherence tomography." <u>Optics Letters</u> 23(13): 1057-1059.
		Kwon, Y. H., C. S. Kim, et al. (2001). "Rate of visual field loss and long-term visual outcome in primary open-angle glaucoma." <u>American Journal of Ophthalmology</u> 132(1): 47-56.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Kwong, K. F., D. Yankelevich, et al. (1993). "400-Hz Mechanical Scanning Optical Delay-Line." <u>Optics Letters</u> 18(7): 558-560.
		Landers, J., I. Goldberg, et al. (2002). "Analysis of risk factors that may be associated with progression from ocular hypertension to primary open angle glaucoma." <u>Clin Experiment Ophthalmology</u> 30(4): 242-7.
		Laszlo, A. and A. Venetianer (1998). Heat resistance in mammalian cells: Lessons and challenges. <u>Stress of Life</u> . 851: 169-178.
		Laszlo, A. and A. Venetianer (1998). "Heat resistance in mammalian cells: lessons and challenges. [Review] [52 refs]." <u>Annals of the New York Academy of Sciences</u> 851: 169-78.
		Laufer, J., R. Simpson, et al. (1998). "Effect of temperature on the optical properties of ex vivo human dermis and subdermis." <u>Physics in Medicine and Biology</u> 43(9): 2479-2489.
		Lederer, D. E., J. S. Schuman, et al. (2003). "Analysis of macular volume in normal and glaucomatous eyes using optical coherence tomography." <u>American Journal of Ophthalmology</u> 135(6): 838-843.
		Lee, P. P., Z. W. Feldman, et al. (2003). "Longitudinal prevalence of major eye diseases." <u>Archives of Ophthalmology</u> 121(9): 1303-1310.
		Lehrer, M. S., T. T. Sun, et al. (1998). "Strategies of epithelial repair: modulation of stem cell and transit amplifying cell proliferation." <u>Journal of Cell Science</u> 111(Pt 19): 2867-75.
		Leibowitz, H. M., D. E. Krueger, et al. (1980). "The Framingham Eye Study monograph: An ophthalmological and epidemiological study of cataract, glaucoma, diabetic retinopathy, macular degeneration, and visual acuity in a general population of 2631 adults, 1973-1975." <u>Survey of Ophthalmology</u> 24(Suppl): 335-610.
		Leitgeb, R., C. K. Hitzenberger, et al. (2003). "Performance of fourier domain vs. time domain optical coherence tomography." <u>Optics Express</u> 11(8): 889-894.
		Leitgeb, R., L. F. Schmetterer, et al. (2002). "Flow velocity measurements by frequency domain short coherence interferometry." <u>Proc. SPIE</u> 4619: 16-21.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Leitgeb, R. A., W. Drexler, et al. (2004). "Ultrahigh resolution Fourier domain optical coherence tomography." <u>Optics Express</u> 12(10): 2156-2165.
		Leitgeb, R. A., C. K. Hitzenberger, et al. (2003). "Phase-shifting algorithm to achieve high-speed long-depth-range probing by frequency-domain optical coherence tomography." <u>Optics Letters</u> 28(22): 2201-2203.
		Leitgeb, R. A., L. Schmetterer, et al. (2003). "Real-time assessment of retinal blood flow with ultrafast acquisition by color Doppler Fourier domain optical coherence tomography." <u>Optics Express</u> 11(23): 3116-3121.
		Leitgeb, R. A., L. Schmetterer, et al. (2004). "Real-time measurement of in vitro flow by Fourier-domain color Doppler optical coherence tomography." <u>Optics Letters</u> 29 (2): 171-173.
		LeRoyBrehonnet, F. and B. LeJeune (1997). "Utilization of Mueller matrix formalism to obtain optical targets depolarization and polarization properties." <u>Progress in Quantum Electronics</u> 21(2): 109-151.
		Leske, M. C., A. M. Connell, et al. (1995). "Risk factors for open-angle glaucoma. The Barbados Eye Study. [see comments]." <u>Archives of Ophthalmology</u> 113(7): 918-24.
		Leske, M. C., A. M. Connell, et al. (2001). "Incidence of open-angle glaucoma: the Barbados Eye Studies. The Barbados Eye Studies Group. [see comments]." <u>Archives of Ophthalmology</u> 119(1): 89-95.
		Leske, M. C., A. Heijl, et al. (1999). "Early Manifest Glaucoma Trial. Design and Baseline Data." <u>Ophthalmology</u> 106(11): 2144-2153.
		Lewis, S. E., J. R. DeBoer, et al. (2005). "Sensitive, selective, and analytical improvements to a porous silicon gas sensor." <u>Sensors and Actuators B: Chemical</u> 110(1): 54-65.
		Lexer, F., C. K. Hitzenberger, et al. (1999). "Dynamic coherent focus OCT with depth- independent transversal resolution." <u>Journal of Modern Optics</u> 46(3): 541-553.
		Li, X., C. Chudoba, et al. (2000). "Imaging needle for optical coherence tomography." <u>Optics Letters</u> 25: 1520-1522.
		Li, X., T. H. Ko, et al. (2001). "Intraluminal fiber-optic Doppler imaging catheter for structural and functional optical coherence tomography." <u>Optics Letters</u> 26: 1906-1908.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Liddington, M. I. and P. G. Shakespeare (1996). "Timing of the thermographic assessment of burns." <u>Burns</u> 22(1): 26-8.
		Lindmo, T., D. J. Smithies, et al. (1998). "Accuracy and noise in optical Doppler tomography studied by Monte Carlo simulation." <u>Physics in Medicine and Biology</u> 43(10): 3045-3064.
		Liu, J., X. Chen, et al. (1999). "New thermal wave aspects on burn evaluation of skin subjected to instantaneous heating." <u>IEEE Transactions on Biomedical Engineering</u> 46(4): 420-8.
		Luke, D. G., R. McBride, et al. (1995). "Polarization mode dispersion minimization in fiber-wound piezoelectric cylinders." <u>Optics Letters</u> 20(24): 2550-2552.
		MacNeill, B. D., I. K. Jang, et al. (2004). "Focal and multi-focal plaque distributions in patients with macrophage acute and stable presentations of coronary artery disease." <u>Journal of the American College of Cardiology</u> 44(5): 972-979.
		Mahgerefteh, D. and C. R. Menyuk (1999). "Effect of first-order PMD compensation on the statistics of pulse broadening in a fiber with randomly varying birefringence." <u>Ieee Photonics Technology Letters</u> 11(3): 340-342.
		Maitland, D. J. and J. T. Walsh, Jr. (1997). "Quantitative measurements of linear birefringence during heating of native collagen." <u>Lasers in Surgery &amp; Medicine</u> 20 (3): 310-8.
		Majaron, B., S. M. Srinivas, et al. (2000). "Deep coagulation of dermal collagen with repetitive Er : YAG laser irradiation." <u>Lasers in Surgery and Medicine</u> 26(2): 215-222.
		Mansuripur, M. (1991). "Effects of High-Numerical-Aperture Focusing on the State of Polarization in Optical and Magneto-optic Data-Storage Systems." <u>Applied Optics</u> 30(22): 3154-3162.
		Marshall, G. W., S. J. Marshall, et al. (1997). "The dentin substrate: structure and properties related to bonding." <u>Journal of Dentistry</u> 25(6): 441-458.
		Martin, P. (1997). "Wound healing - Aiming for perfect skin regeneration." <u>Science</u> 276 (5309): 75-81.
		Martinez, O. E. (1987). "3000 Times Grating Compressor with Positive Group-Velocity Dispersion - Application to Fiber Compensation in 1.3-1.6 $\mu$ -m Region." <u>Ieee Journal of Quantum Electronics</u> 23(1): 59-64.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Martinez, O. E., J. P. Gordon, et al. (1984). "Negative Group-Velocity Dispersion Using Refraction." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 1(10): 1003-1006.
		McKinney, J. D., M. A. Webster, et al. (2000). "Characterization and imaging in optically scattering media by use of laser speckle and a variable-coherence source." <u>Optics Letters</u> 25(1): 4-6.
		Miglior, S., M. Casula, et al. (2001). "Clinical ability of Heidelberg retinal tomograph examination to detect glaucomatous visual field changes." <u>Ophthalmology</u> 108 (9): 1621-7.
		Milner, T. E., D. M. Goodman, et al. (1996). "Imaging laser heated subsurface chromophores in biological materials: Determination of lateral physical dimensions." <u>Physics in Medicine and Biology</u> 41(1): 31-44.
		Milner, T. E., D. M. Goodman, et al. (1995). "Depth Profiling of Laser-Heated Chromophores in Biological Tissues by Pulsed Photothermal Radiometry." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 12 (7): 1479-1488.
		Milner, T. E., D. J. Smithies, et al. (1996). "Depth determination of chromophores in human skin by pulsed photothermal radiometry." <u>Applied Optics</u> 35(19): 3379-3385.
		Mishchenko, M. I. and J. W. Hovenier (1995). "Depolarization of Light Backscattered by Randomly Oriented Nonspherical Particles." <u>Optics Letters</u> 20(12): 1356-&.
		Mistlberger, A., J. M. Liebmann, et al. (1999). "Heidelberg retina tomography and optical coherence tomography in normal, ocular-hypertensive, and glaucomatous eyes." <u>Ophthalmology</u> 106(10): 2027-32.
		Mitsui, T. (1999). "High-speed detection of ballistic photons propagating through suspensions using spectral interferometry." <u>Japanese Journal of Applied Physics Part 1-Regular Papers Short Notes &amp; Review Papers</u> 38(5A): 2978-2982.
		Molteno, A. C., N. J. Bosma, et al. (1999). "Otago glaucoma surgery outcome study: long-term results of trabeculectomy--1976 to 1995." <u>Ophthalmology</u> 106(9): 1742-50.
		Morgner, U., W. Drexler, et al. (2000). "Spectroscopic optical coherence tomography." <u>Optics Letters</u> 25(2): 111-113.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form PTO-1449 U.S. Department of Commerce</b> <b>(REV. 2-82) Patent and Trademark Office</b>	<b>Atty. Docket No.</b> 036115/US/2 – 475387-00016	<b>Serial No.</b> 10/501,276
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b> <b>(Use several sheets if necessary)</b>	<b>Applicant(s)</b> Johannes F. de Boer	
	<b>Filing Date</b> July 9, 2004	<b>Group</b> 2857

		Morgner, U., F. X. Kartner, et al. (1999). "Sub-two-cycle pulses from a Kerr-lens mode-locked Ti : sapphire laser (vol 24, pg 411, 1999)." <u>Optics Letters</u> 24(13): 920-920.
		Mourant, J. R., A. H. Hielscher, et al. (1998). "Evidence of intrinsic differences in the light scattering properties of tumorigenic and nontumorigenic cells." <u>Cancer Cytopathology</u> 84(6): 366-374.
		Muller, M., J. Squier, et al. (1998). "Dispersion pre-compensation of 15 femtosecond optical pulses for high-numerical-aperture objectives." <u>Journal of Microscopy-Oxford</u> 191: 141-150.
		Muscat, S., N. McKay, et al. (2002). "Repeatability and reproducibility of corneal thickness measurements by optical coherence tomography." <u>Investigative Ophthalmology &amp; Visual Science</u> 43(6): 1791-5.
		Musch, D. C., P. R. Lichter, et al. (1999). "The Collaborative Initial Glaucoma Treatment Study. Study Design, Methods, and Baseline Characteristics of Enrolled Patients." <u>Ophthalmology</u> 106: 653-662.
		Neerken, S., Lucassen, G.W., Bisschop, M.A., Lenderink, E., Nuijs, T.A.M. (2004). "Characterization of age-related effects in human skin: A comparative study that applies confocal laser scanning microscopy and optical coherence tomography." <u>Journal of Biomedical Optics</u> 9(2): 274-281.
		Nelson, J. S., K. M. Kelly, et al. (2001). "Imaging blood flow in human port-wine stain in situ and in real time using optical Doppler tomography." <u>Archives of Dermatology</u> 137(6): 741-744.
		Newson, T. P., F. Farahi, et al. (1988). "Combined Interferometric and Polarimetric Fiber Optic Temperature Sensor with a Short Coherence Length Source." <u>Optics Communications</u> 68(3): 161-165.
		November, L. J. (1993). "Recovery of the Matrix Operators in the Similarity and Congruency Transformations - Applications in Polarimetry." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 10(4): 719-739.
		Oh, W. Y., S. H. Yun, et al. (2005). "Wide tuning range wavelength-swept laser with two semiconductor optical amplifiers." <u>Ieee Photonics Technology Letters</u> 17(3): 678- 680.
		Oka, K. and T. Kato (1999). "Spectroscopic polarimetry with a channeled spectrum." <u>Optics Letters</u> 24(21): 1475-1477.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Okugawa, T. and K. Rotate (1996). "Real-time optical image processing by synthesis of the coherence function using real-time holography." <u>Ieee Photonics Technology Letters</u> 8(2): 257-259.
		Oshima, M., R. Torii, et al. (2001). "Finite element simulation of blood flow in the cerebral artery." <u>Computer Methods in Applied Mechanics and Engineering</u> 191 (6-7): 661-671.
		Pan, Y. T., H. K. Xie, et al. (2001). "Endoscopic optical coherence tomography based on a microelectromechanical mirror." <u>Optics Letters</u> 26(24): 1966-1968.
		Parisi, V., G. Manni, et al. (2001). "Correlation between optical coherence tomography, pattern electroretinogram, and visual evoked potentials in open-angle glaucoma patients." <u>Ophthalmology</u> 108(5): 905-12.
		Park, B. H., M. C. Pierce, et al. (2005). "Real-time fiber-based multi-functional spectral-domain optical coherence tomography at 1.3 $\mu$ m." <u>Optics Express</u> 13(11): 3931-3944.
		Park, D. H., J. W. Hwang, et al. (1998). "Use of laser Doppler flowmetry for estimation of the depth of burns." <u>Plastic and Reconstructive Surgery</u> 101(6): 1516-1523.
		Pendry, J. B., A. J. Holden, et al. (1999). "Magnetism from conductors and enhanced nonlinear phenomena." <u>Ieee Transactions on Microwave Theory and Techniques</u> 47(11): 2075-2084.
		Penninckx, D. and V. Morenas (1999). "Jones matrix of polarization mode dispersion." <u>Optics Letters</u> 24(13): 875-877.
		Pierce, M. C., M. Shishkov, et al. (2005). "Effects of sample arm motion in endoscopic polarization-sensitive optical coherence tomography." <u>Optics Express</u> 13(15): 5739-5749
		Pircher, M., E. Gotzinger, et al. (2003). "Measurement and imaging of water concentration in human cornea with differential absorption optical coherence tomography." <u>Optics Express</u> 11(18): 2190-2197.
		Pircher, M., E. Gotzinger, et al. (2003). "Speckle reduction in optical coherence tomography by frequency compounding." <u>Journal of Biomedical Optics</u> 8(3): 565-569.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Podoleanu, A. G., G. M. Dobre, et al. (1998). "En-face coherence imaging using galvanometer scanner modulation." <u>Optics Letters</u> 23(3): 147-149.
		Podoleanu, A. G. and D. A. Jackson (1999). "Noise analysis of a combined optical coherence tomograph and a confocal scanning ophthalmoscope." <u>Applied Optics</u> 38(10): 2116-2127.
		Podoleanu, A. G., J. A. Rogers, et al. (2000). "Three dimensional OCT images from retina and skin." <u>Optics Express</u> 7(9): 292-298.
		Podoleanu, A. G., M. Seeger, et al. (1998). "Transversal and longitudinal images from the retina of the living eye using low coherence reflectometry." <u>Journal of Biomedical Optics</u> 3(1): 12-20.
		Poole, C. D. (1988). "Statistical Treatment of Polarization Dispersion in Single-Mode Fiber." <u>Optics Letters</u> 13(8): 687-689.
		Povazay, B., K. Bizheva, et al. (2002). "Submicrometer axial resolution optical coherence tomography." <u>Optics Letters</u> 27(20): 1800-1802.
		Qi, B., A. P. Himmer, et al. (2004). "Dynamic focus control in high-speed optical coherence tomography based on a microelectromechanical mirror." <u>Optics Communications</u> 232(1-6): 123-128.
		Radhakrishnan, S., A. M. Rollins, et al. (2001). "Real-time optical coherence tomography of the anterior segment at 1310 nm." <u>Archives of Ophthalmology</u> 119(8): 1179-1185.
		Rogers, A. J. (1981). "Polarization-Optical Time Domain Reflectometry - a Technique for the Measurement of Field Distributions." <u>Applied Optics</u> 20(6): 1060-1074.
		Rollins, A. M. and J. A. Izatt (1999). "Optimal interferometer designs for optical coherence tomography." <u>Optics Letters</u> 24(21): 1484-1486.
		Rollins, A. M., R. Ung-arunyawee, et al. (1999). "Real-time in vivo imaging of human gastrointestinal ultrastructure by use of endoscopic optical coherence tomography with a novel efficient interferometer design." <u>Optics Letters</u> 24(19): 1358-1360.
		Rollins, A. M., S. Yazdanfar, et al. (2002). "Real-time in vivo colors Doppler optical coherence tomography." <u>Journal of Biomedical Optics</u> 7(1): 123-129.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Rollins, A. M., S. Yazdanfar, et al. (2000). "Imaging of human retinal hemodynamics using color Doppler optical coherence tomography." <u>Investigative Ophthalmology &amp; Visual Science</u> 41(4): S548-S548.
		Sandoz, P. (1997). "Wavelet transform as a processing tool in white-light interferometry." <u>Optics Letters</u> 22(14): 1065-1067.
		Sankaran, V., M. J. Everett, et al. (1999). "Comparison of polarized-light propagation in biological tissue and phantoms." <u>Optics Letters</u> 24(15): 1044-1046.
		Sankaran, V., J. T. Walsh, et al. (2000). "Polarized light propagation through tissue phanto, ehms containing densely packed scatterers." <u>Optics Letters</u> 25(4): 239-241
		Sarunic, M. V., M. A. Choma, et al. (2005). "Instantaneous complex conjugate resolved spectral domain and swept-source OCT using 3x3 fiber couplers." <u>Optics Express</u> 13(3): 957-967.
		Sathyam, U. S., B. W. Colston, et al. (1999). "Evaluation of optical coherence quantitation of analytes in turbid media by use of two wavelengths." <u>Applied Optics</u> 38(10): 2097-2104
		Schmitt, J. M. (1997). "Array detection for speckle reduction in optical coherence microscopy." <u>Physics in Medicine and Biology</u> 42(7): 1427-1439.
		Schmitt, J. M. (1999). "Optical coherence tomography (OCT): A review." <u>Ieee Journal of Selected Topics in Quantum Electronics</u> 5(4): 1205-1215.
		Schmitt, J. M. and A. Knüttel (1997). "Model of optical coherence tomography of heterogeneous tissue." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 14(6): 1231-1242.
		Schmitt, J. M., S. L. Lee, et al. (1997). "An optical coherence microscope with enhanced resolving power in thick tissue." <u>Optics Communications</u> 142(4-6): 203-207.
		Schmitt, J. M., S. H. Xiang, et al. (1998). "Differential absorption imaging with optical coherence tomography." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 15(9): 2288-2296.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Schmitt, J. M., S. H. Xiang, et al. (1999). "Speckle in optical coherence tomography." <u>Journal of Biomedical Optics</u> 4(1): 95-105.
		Schmitt, J. M., M. J. Yadlowsky, et al. (1995). "Subsurface Imaging of Living Skin with Optical Coherence Microscopy." <u>Dermatology</u> 191(2): 93-98.
		Shi, H., J. Finlay, et al. (1997). "Multiwavelength 10-GHz picosecond pulse generation from a single-stripe semiconductor diode laser." <u>Ieee Photonics Technology Letters</u> 9(11): 1439-1441.
		Shi, H., I. Nitta, et al. (1999). "Demonstration of phase correlation in multiwavelength mode-locked semiconductor diode lasers." <u>Optics Letters</u> 24(4): 238-240.
		Simon, R. (1982). "The Connection between Mueller and Jones Matrices of Polarization Optics." <u>Optics Communications</u> 42(5): 293-297.
		Smith, P. J. M., E.M.; Taylor, C.M.; Selviah, D.R.; Day, S.E.; Commander, L.G. "Variable-Focus Microlenses as a Potential Technology for Endoscopy."
		Smithies, D. J., T. Lindmo, et al. (1998). "Signal attenuation and localization in optical coherence tomography studied by Monte Carlo simulation." <u>Physics in Medicine and Biology</u> 43(10): 3025-3044.
		Sorin, W. V. and D. F. Gray (1992). "Simultaneous Thickness and Group Index Measurement Using Optical Low-Coherence Reflectometry." <u>Ieee Photonics Technology Letters</u> 4(1): 105-107.
		Sticker, M., C. K. Hitzengerger, et al. (2001). "Quantitative differential phase measurement and imaging in transparent and turbid media by optical coherence tomography." <u>Optics Letters</u> 26(8): 518-520.
		Sticker, M., M. Pircher, et al. (2002). "En face imaging of single cell layers by differential phase-contrast optical coherence microscopy." <u>Optics Letters</u> 27(13): 1126-1128.
		Stoller, P., B. M. Kim, et al. (2002). "Polarization-dependent optical second-harmonic imaging of a rat-tail tendon." <u>Journal of Biomedical Optics</u> 7(2): 205-214.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Sun, C. S. (2003). "Multiplexing of fiber-optic acoustic sensors in a Michelson interferometer configuration." <u>Optics Letters</u> 28(12): 1001-1003.
		Swanson, E. A., J. A. Izatt, et al. (1993). "In-Vivo Retinal Imaging by Optical Coherence Tomography." <u>Optics Letters</u> 18(21): 1864-1866.
		Takada, K., A. Himeno, et al. (1991). "Phase-Noise and Shot-Noise Limited Operations of Low Coherence Optical-Time Domain Reflectometry." <u>Applied Physics Letters</u> 59(20): 2483-2485.
		Takenaka, H. (1973). "Unified Formalism for Polarization Optics by Using Group-Theory I (Theory)." <u>Japanese Journal of Applied Physics</u> 12(2): 226-231.
		Tanno, N., T. Ichimura, et al. (1994). "Optical Multimode Frequency-Domain Reflectometer." <u>Optics Letters</u> 19(8): 587-589.
		Tan-no, N., T. Ichimura, et al. (1994). "Optical Multimode Frequency-Domain Reflectometer." <u>Optics Letters</u> 19(8): 587-589.
		Targowski, P., M. Wojtkowski, et al. (2004). "Complex spectral OCT in human eye imaging in vivo." <u>Optics Communications</u> 229(1-6): 79-84.
		Tearney, G. J., S. A. Boppart, et al. (1996). "Scanning single-mode fiber optic catheter- endoscope for optical coherence tomography (vol 21, pg 543, 1996)." <u>Optics Letters</u> 21(12): 912-912.
		Tearney, G. J., B. E. Bouma, et al. (1996). "Rapid acquisition of in vivo biological images by use of optical coherence tomography." <u>Optics Letters</u> 21(17): 1408-1410.
		Tearney, G. J., B. E. Bouma, et al. (1997). "In vivo endoscopic optical biopsy with optical coherence tomography." <u>Science</u> 276(5321): 2037-2039.
		Tearney, G. J., M. E. Brezinski, et al. (1996). "Catheter-based optical imaging of a human coronary artery." <u>Circulation</u> 94(11): 3013-3013.
		Tearney, G. J., M. E. Brezinski, et al. (1997). "In vivo endoscopic optical biopsy with optical coherence tomography." <u>Science</u> 276(5321): 2037-9.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

			Tearney, G. J., M. E. Brezinski, et al. (1997). "Optical biopsy in human gastrointestinal tissue using optical coherence tomography." <u>American Journal of Gastroenterology</u> 92(10): 1800-1804.
			Tearney, G. J., M. E. Brezinski, et al. (1995). "Determination of the refractive index of highly scattering human tissue by optical coherence tomography." <u>Optics Letters</u> 20(21): 2258-2260.
			Tearney, G. J., I. K. Jang, et al. (2000). "Porcine coronary imaging in vivo by optical coherence tomography." <u>Acta Cardiologica</u> 55(4): 233-237.
			Tearney, G. J., R. H. Webb, et al. (1998). "Spectrally encoded confocal microscopy." <u>Optics Letters</u> 23(15): 1152-1154.
			Tearney, G. J., H. Yabushita, et al. (2003). "Quantification of macrophage content in atherosclerotic plaques by optical coherence tomography." <u>Circulation</u> 107(1): 113-119.
			Tower, T. T. and R. T. Tranquillo (2001). "Alignment maps of tissues: I. Microscopic elliptical polarimetry." <u>Biophysical Journal</u> 81(5): 2954-2963.
			Tower, T. T. and R. T. Tranquillo (2001). "Alignment maps of tissues: II. Fast harmonic analysis for imaging." <u>Biophysical Journal</u> 81(5): 2964-2971.
			Troy, T. L. and S. N. Thennadil (2001). "Optical properties of human skin in the near infrared wavelength range of 1000 to 2200 nm." <u>Journal of Biomedical Optics</u> 6 (2): 167-176.
			Vabre, L., A. Dubois, et al. (2002). "Thermal-light full-field optical coherence tomography." <u>Optics Letters</u> 27(7): 530-532.
			Vakhtin, A. B., D. J. Kane, et al. (2003). "Common-path interferometer for frequency-domain optical coherence tomography." <u>Applied Optics</u> 42(34): 6953-6958.
			Vakhtin, A. B., K. A. Peterson, et al. (2003). "Differential spectral interferometry: an imaging technique for biomedical applications." <u>Optics Letters</u> 28(15): 1332-1334.
			Vakoc, B. J., S. H. Yun, et al. (2005). "Phase-resolved optical frequency domain imaging." <u>Optics Express</u> 13(14): 5483-5493.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		van Leeuwen, T. G., M. D. Kulkarni, et al. (1999). "High-flow-velocity and shear-rate imaging by use of color Doppler optical coherence tomography." <u>Optics Letters</u> 24(22): 1584-1586.
		Vansteenkiste, N., P. Vignolo, et al. (1993). "Optical Reversibility Theorems for Polarization - Application to Remote-Control of Polarization." <u>Journal of the Optical Society of America a-Optics Image Science and Vision</u> 10(10): 2240-2245.
		Vargas, O., E. K. Chan, et al. (1999). "Use of an agent to reduce scattering in skin." <u>Lasers in Surgery and Medicine</u> 24(2): 133-141.
		Wang, R. K. (1999). "Resolution improved optical coherence-gated tomography for imaging through biological tissues." <u>Journal of Modern Optics</u> 46(13): 1905-1912.
		Wang, X. J., T. E. Milner, et al. (1997). "Measurement of fluid-flow-velocity profile in turbid media by the use of optical Doppler tomography." <u>Applied Optics</u> 36(1): 144-149.
		Wang, X. J., T. E. Milner, et al. (1995). "Characterization of Fluid-Flow Velocity by Optical Doppler Tomography." <u>Optics Letters</u> 20(11): 1337-1339.
		Wang, Y. M., J. S. Nelson, et al. (2003). "Optimal wavelength for ultrahigh-resolution optical coherence tomography." <u>Optics Express</u> 11(12): 1411-1417.
		Wang, Y. M., Y. H. Zhao, et al. (2003). "Ultrahigh-resolution optical coherence tomography by broadband continuum generation from a photonic crystal fiber." <u>Optics Letters</u> 28(3): 182-184.
		Watkins, L. R., S. M. Tan, et al. (1999). "Determination of interferometer phase distributions by use of wavelets." <u>Optics Letters</u> 24(13): 905-907.
		Wetzel, J. (2001). "Optical coherence tomography in dermatology: a review." <u>Skin Research and Technology</u> 7(1): 1-9.
		Wentworth, R. H. (1989). "Theoretical Noise Performance of Coherence-Multiplexed Interferometric Sensors." <u>Journal of Lightwave Technology</u> 7(6): 941-956.
		Westphal, V., A. M. Rollins, et al. (2002). "Correction of geometric and refractive image distortions in optical coherence tomography applying Fermat's principle." <u>Optics Express</u> 10(9): 397-404.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 – 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Westphal, V., S. Yazdanfar, et al. (2002). "Real-time, high velocity-resolution color Doppler optical coherence tomography." <u>Optics Letters</u> 27(1): 34-36.
		Williams, P. A. (1999). "Rotating-wave-plate Stokes polarimeter for differential group delay measurements of polarization-mode dispersion." <u>Applied Optics</u> 38(31): 6508-6515.
		Wojtkowski, M., T. Bajraszewski, et al. (2003). "Real-time in vivo imaging by high-speed spectral optical coherence tomography." <u>Optics Letters</u> 28(19): 1745-1747.
		Wojtkowski, M., A. Kowalczyk, et al. (2002). "Full range complex spectral optical coherence tomography technique in eye imaging." <u>Optics Letters</u> 27(16): 1415-1417.
		Wojtkowski, M., R. Leitgeb, et al. (2002). "In vivo human retinal imaging by Fourier domain optical coherence tomography." <u>Journal of Biomedical Optics</u> 7(3): 457-463.
		Wojtkowski, M., R. Leitgeb, et al. (2002). "Fourier domain OCT imaging of the human eye in vivo." <u>Proc. SPIE</u> 4619: 230-236.
		Wojtkowski, M., V. J. Srinivasan, et al. (2004). "Ultrahigh-resolution, high-speed, Fourier domain optical coherence tomography and methods for dispersion compensation." <u>Optics Express</u> 12(11): 2404-2422.
		Wong, B. J. F., Y. H. Zhao, et al. (2004). "Imaging the internal structure of the rat cochlea using optical coherence tomography at 0.827 $\mu$ m and 1.3 $\mu$ m." <u>Otolaryngology-Head and Neck Surgery</u> 130(3): 334-338.
		Yabushita, H. B., B.E.; Houser, S.L.; Aretz, H.T.; Jang, I.; Schlendorf, K.H.; Kauffman, C.R.; Shishkov, M.; Halpern, E.F.; Tearney, G.J. "Measurement of Thin Fibrous Caps in Atherosclerotic Plaques by Optical Coherence Tomography."
		Yang, C., A. Wax, et al. (2001). "Phase-dispersion optical tomography." <u>Optics Letters</u> 26(10): 686-688.
		Yang, C., A. Wax, et al. (2001). "Phase-referenced interferometer with subwavelength and subhertz sensitivity applied to the study of cell membrane dynamics." <u>Optics Letters</u> 26(16): 1271-1273.
		Yang, C. H., A. Wax, et al. (2001). "Phase-dispersion optical tomography." <u>Optics Letters</u> 26(10): 686-688.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Yang, C. H., A. Wax, et al. (2000). "Interferometric phase-dispersion microscopy." <u>Optics Letters</u> 25(20): 1526-1528.
		Yang, V. X. D., M. L. Gordon, et al. (2002). "Improved phase-resolved optical Doppler tomography using the Kasai velocity estimator and histogram segmentation." <u>Optics Communications</u> 208(4-6): 209-214.
		Yang, V. X. D., M. L. Gordon, et al. (2003). "High speed, wide velocity dynamic range Doppler optical coherence tomography (Part I): System design, signal processing, and performance." <u>Optics Express</u> 11(7): 794-809.
		Yang, V. X. D., M. L. Gordon, et al. (2003). "High speed, wide velocity dynamic range Doppler optical coherence tomography (Part II): Imaging in vivo cardiac dynamics of <i>Xenopus laevis</i> ." <u>Optics Express</u> 11(14): 1650-1658.
		Yang, V. X. D., M. L. Gordon, et al. (2003). "High speed, wide velocity dynamic range Doppler optical coherence tomography (Part III): in vivo endoscopic imaging of blood flow in the rat and human gastrointestinal tracts." <u>Optics Express</u> 11(19): 2416-2424.
		Yang, V. X. D., B. Qi, et al. (2003). "In vivo feasibility of endoscopic catheter-based Doppler optical coherence tomography." <u>Gastroenterology</u> 124(4): A49-A50.
		Yao, G. and L. H. V. Wang (2000). "Theoretical and experimental studies of ultrasound-modulated optical tomography in biological tissue." <u>Applied Optics</u> 39(4): 659-664.
		Yazdanfar, S. and J. A. Izatt (2002). "Self-referenced Doppler optical coherence tomography." <u>Optics Letters</u> 27(23): 2085-2087.
		Yazdanfar, S., M. D. Kulkarni, et al. (1997). "High resolution imaging of in vivo cardiac dynamics using color Doppler optical coherence tomography." <u>Optics Express</u> 1 (13) : 424-431.
		Yazdanfar, S., A. M. Rollins, et al. (2000). "Imaging and velocimetry of the human retinal circulation with color Doppler optical coherence tomography." <u>Optics Letters</u> 25(19): 1448-1450.
		Yazdanfar, S., A. M. Rollins, et al. (2000). "Noninvasive imaging and velocimetry of human retinal blood flow using color Doppler optical coherence tomography." <u>Investigative Ophthalmology &amp; Visual Science</u> 41(4): S548-S548.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

		Yazdanfar, S., A. M. Rollins, et al. (2003). "In vivo imaging of human retinal flow dynamics by color Doppler optical coherence tomography." <u>Archives of Ophthalmology</u> 121(2): 235-239.
		Yazdanfar, S., C. H. Yang, et al. (2005). "Frequency estimation precision in Doppler optical coherence tomography using the Cramer-Rao lower bound." <u>Optics Express</u> 13(2): 410-416.
		Yun, S. H., C. Boudoux, et al. (2004). "Extended-cavity semiconductor wavelength- swept laser for biomedical imaging." <u>Ieee Photonics Technology Letters</u> 16(1): 293-295.
		Yun, S. H., C. Boudoux, et al. (2003). "High-speed wavelength-swept semiconductor laser with a polygon-scanner-based wavelength filter." <u>Optics Letters</u> 28(20): 1981-1983.
		Yun, S. H., G. J. Tearney, et al. (2004). "Pulsed-source and swept-source spectral- domain optical coherence tomography with reduced motion artifacts." <u>Optics Express</u> 12(23): 5614-5624.
		Yun, S. H., G. J. Tearney, et al. (2004). "Removing the depth-degeneracy in optical frequency domain imaging with frequency shifting." <u>Optics Express</u> 12(20): 4822-4828.
		Yun, S. H., G. J. Tearney, et al. (2004). "Motion artifacts in optical coherence tomography with frequency-domain ranging." <u>Optics Express</u> 12(13): 2977-2998.
		Zhang, J., J. S. Nelson, et al. (2005). "Removal of a mirror image and enhancement of the signal-to-noise ratio in Fourier-domain optical coherence tomography using an electro-optic phase modulator." <u>Optics Letters</u> 30(2): 147-149.
		Zhang, Y., M. Sato, et al. (2001). "Numerical investigations of optimal synthesis of several low coherence sources for resolution improvement." <u>Optics Communications</u> 192(3-6): 183-192.
		Zhang, Y., M. Sato, et al. (2001). "Resolution improvement in optical coherence tomography by optimal synthesis of light-emitting diodes." <u>Optics Letters</u> 26(4): 205-207.
		Zhao, Y., Z. Chen, et al. (2002). "Real-time phase-resolved functional optical coherence tomography by use of optical Hilbert transformation." <u>Optics Letters</u> 27(2): 98-100.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
036115/US/2 - 475387-  
00016

Serial No.  
10/501,276

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant(s)  
Johannes F. de Boer

Filing Date  
July 9, 2004

Group  
2857

			Zhao, Y. H., Z. P. Chen, et al. (2000). "Doppler standard deviation imaging for clinical monitoring of in vivo human skin blood flow." <u>Optics Letters</u> 25(18): 1358-1360.
			Zhao, Y. H., Z. P. Chen, et al. (2000). "Phase-resolved optical coherence tomography and optical Doppler tomography for imaging blood flow in human skin with fast scanning speed and high velocity sensitivity." <u>Optics Letters</u> 25(2): 114-116.
			Zhou, D., P. R. Prucnal, et al. (1998). "A widely tunable narrow linewidth semiconductor fiber ring laser." <u>IEEE Photonics Technology Letters</u> 10(6): 781-783.
			Zuluaga, A. F. and R. Richards-Kortum (1999). "Spatially resolved spectral interferometry for determination of subsurface structure." <u>Optics Letters</u> 24(8): 519-521.
			Zvyagin, A. V., J. B. FitzGerald, et al. (2000). "Real-time detection technique for Doppler optical coherence tomography." <u>Optics Letters</u> 25(22): 1645-1647.

4843-4569-4976\1

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.